

RHYMNEY URBAN DISTRICT COUNCIL.

ANNUAL REPORT

FOR THE YEAR 1895.

BY

T. HALL REDWOOD, M.A., M.D., F.S.I.,

Medical Officer of Health.

GENTLEMEN,

The population of your district, estimated on that of last census was in the middle of 1895, 7,769, this being, as I have already pointed out, and for reasons mentioned then—in particular the fact of practically all the houses being occupied, many of them overcrowded—in all probability a good deal below the mark.

PART I.

A tabular statement of sickness and mortality within your district, tabulated according to diseases, ages, and localities. The general sickness in the first quarter of the year, especially in the middle, and in the form of severe colds, was unusually heavy. Influenza was, also, very prevalent, in the early part of the quarter amongst children, and later on amongst adults, 264 cases having come under my notice, with 4 deaths, the latter in weakly old people, already the subjects of bronchitis. In the first two months of the second quarter, the sickness was light, but increased in the third, owing to the heat. In the first week of May, up to which time 110 more cases, with 2 indirect deaths—1 an old man from anæmia, consequent on it, and the other from bronchitis intensified by it—had occurred, influenza disappeared, but not for good, as will be seen further on. In the third quarter the sickness which was moderate in the beginning, increased very much in quantity and severity, but, in the fourth, it again became light, and was remarkable only for an unusual number of cases of sciatica, and other forms of neuralgia, probably due to climatic influences. During this, the last quarter there were a few, 30 to 40—sporadic cases of influenza, which make the number for the year about 400. There have been none since the first week of December. The number of births registered during the year was 268. (142 males and 126 females) which gives a birth rate of 34.49 per 1000 per annum, this being about the average.

The number of successful vaccinations under 1 year of age was 199, to which may be added 2 just over, leaving 69 of the former, or those born during the year, to be accounted for by death, &c., this proportion being almost the same as that for the preceding year, and showing that there are still many children in your district unprotected. The total number of deaths was 141 (78 males and 68 females), which makes a general death rate of 18.14, which, with the exception of 1876, when it was 17.23, is the lowest recorded for your district. I should mention however, that in the years 1875, 1887, 1889, and 1892, it was under 19 per 1000, and in 1878, under 20 (19.66). I am glad to state that, compared with the preceding year, there was a marked improvement in the rates under 1, and under 5 years of age, those for the year in question having been 5.27 against 7.85 (nearly 153 against over 235 per 1000 births), and 8.23 against 13.65 respectively. The zymotic rate was 2.18, a great improvement on that of the preceding year, when it was as high as 6.95, and the rate for phthisis 1.02, which is lower than those of the two previous years, and cannot be considered high for a district such as this, with dwellings nearly all damp, and on bad foundations, and many badly ventilated and overcrowded. Of the above total, 17 were due to zymotic diseases—whooping cough 7, rotheln 1, croup 1, and diarrhoea 8, against 54 in 1894; 22 to constitutional diseases, different forms of scrofula, cancer, and syphilis, exactly the same as the year before; 12 to diseases of the heart and blood vessels, 2 of these pernicious anæmia, against 13; 33 to inflammatory diseases of the lungs and air passages, 22 under 5 years of age, against 35 and 21 respectively; 7 to diseases of the digestive organs, 1 only under one year of age, against 8 and 4; 2 to diseases of the urinary organs, against 3; 6 to injuries, 1 under 5, (scald); 1 to natural causes, (inquest), and the rest to old age and debility. Between the ages of 5 and 15, there were only 4 deaths, and between 15 and 25, 8 against 12 and 3 in 1894. As far as the above particulars are an indication of the health of your district, they show a decided improvement on previous years.

Table of prevailing Weather, Sickness, &c., in each month of the year.

| Month | Weather.                           | Prevailing Sickness.                 | Zymotic Diseases. |         |
|-------|------------------------------------|--------------------------------------|-------------------|---------|
|       |                                    |                                      | Cases.            | Deaths. |
| Jan.  | Cold, snow, rough                  | Catarrh, Quinsy, Influenza (child.)  | 11.x              |         |
|       | thaw, wet, dull.                   | Scarlat., Rotheln, Pertussis.        | 1.1.6.            | 0.0.1.  |
| Feb.  | frost, fine, rough.                | Rh. Br. Quinsy, Influenza.           | 5. 45.            |         |
|       | thaw rainy rough                   | Rotheln, Pertussis.                  | 3. 4.             | 0. 2.   |
| Mar.  | Frost, wet, frost,                 | Hepat. Rh., Influenza.               | 250.              | 2.      |
|       | warm,                              |                                      |                   |         |
| April | fine, wet, cold.                   | Rotheln, Septicæmia, Pertussis.      | 1.1. x.           | 0.0 1.  |
|       | Cold and wet.                      | Hepat. Catarrh, Influenza.           | 94.               |         |
| May   | Dull, wet, rough.                  | Rotheln, Phleg. Doleus, Pertussis.   | 1.1. 2.           |         |
|       | Fine, warm, rain.                  | Hepat. Br. Quinsy, Influenza.        | 1. 16.            |         |
| June  | Rotheln, Carbuncle, Phleg. Doleus. |                                      |                   |         |
|       | Cold, fine, cloudy                 | Diar., Pertussis.                    | 3.1.x.xx          |         |
| July  | Cloudy, fine, cold                 | Hepat. Rh. Quinsy.                   | 1.                |         |
|       | Fine, warm, rain.                  | Rotheln, Carbuncle, Phleg, Doleus,   | 2.1.1.xx          |         |
| Aug.  | Wet, dull, fine.                   | Diar., Pertussis.                    | x.1.              | 2. 0.   |
|       | Showers, close.                    | Rh. Asthma, Diar., Erysipelas.       |                   |         |
| Sept. | Showers, wet.                      | Rotheln, Measles, Pertussis.         | 4.1.x.            |         |
|       | Rough.                             | Rh., Asth., Diar., Varicella, Erysi. | x.2.1.            |         |
| Oct.  | Fine, wet, fine.                   | Pertussis, Rotheln, Measles, Scarla. | Few               |         |
|       | Fine, warm,                        | Typhoid.                             | 1.7.1.1.          |         |
| Nov.  | Showers.                           | Hepat. Rh., Catarrh, Diar.           | x.                |         |
|       | Fine, warm.                        | Rotheln, Measles, Scarlat.           | 10.3.1.           |         |
| Dec.  | Wet, rough, cold,                  | Rh., Br. Neuralgia, Diar. Influenza, | x.12.             |         |
|       | Frost, snow, fine.                 | Rotheln, Measles, Scarlat., Typh.    | 2.1.1.1.          |         |
| Nov.  | Wet, gales.                        | Rh. Catarrh, Pn., Ac. Rh., Vari-     | 1.1.30.           |         |
|       | Fogs, wet, close.                  | cella, Influenza.                    |                   |         |
| Dec.  | Wet, gales, fogs,                  | Rotheln, Measles, Scarlat., Typh.    | 5.2.1.1.          |         |
|       | Snow rough thaw                    | Rh. Hepat., Sciat., Quinsy, Vari-    | 1.7.4.            |         |
|       |                                    | cella, Influenza.                    |                   |         |
|       |                                    | Rotheln, Measles, Scarlat.           | 11.1.3.           | 1.0.0.  |

(x) Prevalent; (xx) very prevalent.

PART II.

A SUMMARY OF ACTION FOR PREVENTING THE SPREAD OF DISEASE.

*Typhoid Fever.*—3 cases, 1 in August at 6, Yard row, cause not clear, but foundation of house refuse sodden, and decomposing fish, &c. within 30 or 40 yards of front, the further deposit of which was stopped; 1 at Bryn Cottage, Price Street, no sufficient local cause discoverable; and 1 at 17, Tre Evans, caused by untrapped drain, communicating with culvert, close to front door, which was attended to by your Surveyor.

There was no case of Diphtheria in your district, during the year.

*Scarlet Fever.*—Of this disease there were 5 cases, 1 in January in lower district, due to previous one in same house; 1 in August in upper district (Beaufort Arms, Rhymney Bridge), caught at Weston; 1 doubtful, in lower district, in November, and 2 in same district in December. The case at the Beaufort Arms was isolated in a large room in the house, and the skin anointed with Eucalyptus Oil until desquamation was complete with the effect that, although business was carried on as usual, no one else was infected in or out of the house. Notwithstanding the fact that the other cases were not allowed to be removed to your Isolation Hospital—and being sporadic, they were just the ones that ought to have been—any serious spread of the disease from them, was prevented.



Although afraid that your disinfecting chamber may not prove to be a very efficient one, on account of the probability that the heat will not be high enough for steam disinfection, I recommend the provision of suitable means of conveying clothes, &c., to and from it. I would also recommend that you get an apparatus for spraying the walls of the rooms occupied by the patients, with Perchloride of Mercury, (1 in 1000), as this is said to be far more efficacious than fumigating with sulphur, &c.

Table of Particulars of Cases of Typhoid.

| Date.   | Locality.                    | Age. | Result. | Cause.               | Action taken.                      |
|---------|------------------------------|------|---------|----------------------|------------------------------------|
| Aug. 26 | 6 Yard row                   | 13½  | Recov'd | Not clear            | Deposit of fish, &c nearly stopped |
| Oct. 3  | Bryn cottage<br>Price street | 22   | do.     | Not sufficient local | None                               |
| Nov. 21 | 17 Tre Evans                 | 17   | do.     | Untr'pp'd drain      | Trapped                            |

Table of Incidence of Scarlet Fever Cases.

| Date. | District.                              | Cases.  |        | Origin.              | Remarks.         |
|-------|--|---------|--------|----------------------|------------------|
|       |  | Under 5 | Over 5 |                      |                  |
| Jan.  | { Upper ...<br>Middle ...<br>Lower ... | ...     | 1      | Previous case Weston |                  |
| Aug.  | { Upper ...<br>Middle ...<br>Lower ... | ...     | 1      |                      |                  |
| Nov.  | { Upper ...<br>Middle ...<br>Lower ... | ...     | 1      | Doubtful             | Probably Rotheln |
| Dec.  | { Upper ...<br>Middle ...<br>Lower ... | ...     | 2      |                      |                  |
|       |  | 1       | 4      |                      |                  |

*Measles.*—15 cases during the year, distributed as follows—In July, 1 case in Forge Street, source of infection, the Rhondda, via Pontlottyn; in August, 7 cases in same neighbourhood, all due to this one; in September, 3 cases, infection conveyed from Pontlottyn, where the disease was very prevalent at the time; in October, 1 case, (Brewery Row), due to previous one; in November, 2 cases in Princetown, caught at Nantybwh School, or at Tafarnaubach in Tredegar Urban District; and in December (beginning), 1 case due to one of these.

Table of Measles Cases, with Particulars.

| Date. | District.                              | Cases.  |        | Source of Infection.  | Weather.            |
|-------|--|---------|--------|-----------------------|---------------------|
|       |  | Under 5 | Over 5 |                       |                     |
| July  | { Upper ...<br>Middle ...<br>Lower ... | ...     | 1      | Pontlottyn            | Showery, close      |
| Aug.  | { Upper ...<br>Middle ...<br>Lower ... | 1       | 6      | Above case Pontlottyn | Part wet, part fine |
| Sept. | { Upper ...<br>Middle ...<br>Lower ... | 1       | 2      | do.                   | Fine and warm       |
| Oct.  | { Upper ...<br>Middle ...<br>Lower ... | ...     | 1      | Previous case         | Wet, rough, cold    |
| Nov.  | { Upper ...<br>Middle ...<br>Lower ... | ...     | 2      | Nantybwh sch.         | Foggy, wet, close   |
| Dec.  | { Upper ...<br>Middle ...<br>Lower ... | ...     | 1      | Previous case         | Wet and rough       |
|       |  | 7       | 8      |                       |                     |

*Rotheln.*—This disease, in sporadic form only, was prevalent all through the year. Many of the cases, towards the latter end, being so severe, and so closely resembling scarlet fever, beginning with scarlatinal throats, and ending with flaky desquamation, as to be mistaken and entered for that disease. The occurrence of unmistakable cases of rotheln in the same houses and neighbourhood, however, and the fact that the general condition of the patients was not serious enough, and that scarlet fever was not caught from them, &c., proved they were not. The source of the first case, in January, was unknown; in February 3 cases occurred next door, in March 1, in April 2, in May 3, in June 2, and in July 4, all but 3 of these being in the upper district and belonging to the upper schools. In August one case occurred in Cross Street, the source of infection of which could not be traced. In

September 7 cases were noted, 2 in middle part of district, and 5 in connection with Lower Infants Schools, some of these resembling scarlet fever; in October 2 isolated cases cropped up; in November 4, caught from infected houses, and in December 11, one of which died from gastritis. A more extensive spread of the above cases, there were 39 altogether, was prevented by strictly prohibiting children from infected houses, attending school.

Table of Rotheln Cases.

| Date. | District.                              | Cases.  |        | Death   | Source of Infection.         | Remarks.              |
|-------|--|---------|--------|---------|------------------------------|-----------------------|
|       |  | Under 5 | Over 5 | Under 5 |                              |                       |
| Jan.  | { Upper ...<br>Middle ...<br>Lower ... | 1       |        |         | Unknown                      |                       |
| Feb.  | { Upper ...<br>Middle ...<br>Lower ... | 3       |        |         | Case next door (above)       |                       |
| March | { Upper ...<br>Middle ...<br>Lower ... | 1       |        |         | Clarendon row                |                       |
| April | { Upper ...<br>Middle ...<br>Lower ... | 1       | 1      |         | Upper Schools                |                       |
| May   | { Upper ...<br>Middle ...<br>Lower ... | 1       | 2      |         | Upper Schools                |                       |
| June  | { Upper ...<br>Middle ...<br>Lower ... | 1       | 1      |         | Previous case Infected house |                       |
| July  | { Upper ...<br>Middle ...<br>Lower ... | 1       | 3      |         | Upper Schools Manest street  |                       |
| Aug.  | { Upper ...<br>Middle ...<br>Lower ... | 1       |        |         | Could not be traced          |                       |
| Sept. | { Upper ...<br>Middle ...<br>Lower ... | 2       | 3      | 2       |                              | Scarlatina form       |
| Oct.  | { Upper ...<br>Middle ...<br>Lower ... | 1       |        | 1       | infected houses carried      |                       |
| Nov.  | { Upper ...<br>Middle ...<br>Lower ... | 1       | 3      |         | Infected houses              |                       |
| Dec.  | { Upper ...<br>Middle ...<br>Lower ... | 2       | 2      | 1       |                              | Gastritis cause death |
|       |  | 31      | 8      | 1       |                              |                       |

*Whooping Cough.*—In the first quarter there were 3 or 4 fresh cases, and several chronic left over from the year before, and scattered cases continued to crop up until May, when the disease broke out all over the upper district, no doubt through the Schools. On my recommendation, the teachers were warned of its presence, and requested to exclude all children suffering from chronic cough, as being possibly infectious, and in this way the closing of the schools avoided. It was, however, more or less prevalent in the upper district chiefly, and middle slightly, until the end of the third quarter, when it died out.

*Croup.*—1 case, not clearly membranous.

*Erysipelas.*—2 cases, both facial, 1 in July, at 87, Plantation street, and 1 in August at 4 Tre Evans, no special defect in connection with either house.

*Puerperal Fever.*—5 cases, 1, septicæmia, at 19, Tre Evans, foul gutter close by bedroom window; and 4 phlegmasia doleus at 11, Price Street, 46, Upper High Street, 2, Garden Row, and 9, Tre Evans, respectively, 2 of these houses having defective drains which were attended to at the time, 1 having no drain at all, and 1 being totally unventilated.

*Carbuncle.*—Two cases, 1 in May and 1 in June, in broken down subjects.

*Diarrhœa.*—About 250 cases, all ages, chiefly children, 20 to 30 in May and June, due in some to errors of diet, and in others to heat; but the large majority in the third quarter, due to over indulgence in fruit, some of it unsound—rotten. There were 4 deaths—children—from this cause.

*Chicken-pox.*—Twelve or more cases—3 in August, and the rest in November and December.

*Acute Rheumatism.*—One case only during the year.

*Quinsy,* which is much less prevalent in your district than it used to be, showing an improvement in house drainage—about 20 cases, of which 11 occurred in January, 5 in February, 1 in May, 1 in June, and 1 in December.

The Schools were free from contagious diseases, such as ringworm, ophthalmia, &c.



PART III.

General sanitary condition of, and improvements carried out in district during year, together with an account of enquiries made as to conditions injurious to health existing in district, and of the proceedings relating to such conditions, in which your medical officer has taken part or advised.

That the general sanitary condition of your district has been, and is being, progressively improved, is shown by the lessened general sickness (much less than a few years ago) by the absence of diphtheria, by the lessened prevalence of quinsy, and by the further works carried out during the year, of which the following is a list.

- 1.—New main drains in Hill Street, Forge Street, and Upper High Street, and Lower Board Schools properly drained.
- 2.—House drains, improved in Hill Street, High Street, Beulah Chapel Houses, Morgan's Row, Tre Evans, Forge Street, Yard Row, and Mount Pleasant—33 in all.
- 3.—New closets erected at The Gnoll, Hawk's Castle, Upper High Street, Plantation Street, Upper Cross Row, Tre Evans, Treforris Row, and Red House Row.
- 4.—New pavements laid in Hill Street, Clarence Row, Price Street, High Street, Forge Street, Plantation Street, Field Street, Jenkin's Row, and Yard Row.
- 5.—Princetown provided with a supply of good water by means of a conveniently situated, non-wasting, standpipe.
- 6.—New protecting wall on top of bank, Carno Street.
- 7.—New urinal erected near Public Hall.
- 8.—Six new houses (good ones) built in Hill Street, and additions made to several others.
- 9.—The lighting of the street lamps taken over by the Council, and a great improvement in the lighting of the place affected thereby; a photometer also provided for testing the quality of the gas, and 13 new lamps erected.
- 10.—Fire extinguishing appliances ordered, and Brigade, with helmets, &c., appointed to work it.

Two hundred and seventy-eight notices for the removal of nuisances &c., served during the year, most of which were attended to without further trouble, but a few of which had to be repeated.

The Scavenging, to which I had to draw your attention in my last annual report, was done much better, in fact quite satisfactorily, in both the upper and lower portions of your district.

The water supply was very inadequate and unsatisfactory for more than half the year, several rows and streets (some 400 houses) having had none for four or five months. This was caused by the effects of the frost on the pipes at the beginning, and remedied as speedily as possible after complaint was made, and your serious attention drawn to it in my second quarterly report. Later on the supply again became short, owing to the drought, and preparations were made for pumping water from Bute Town pond into the filtering beds, but, fortunately, rain came before they were completed. Since then the supply has been all right in quantity and quality. There is one matter, however, in connection with it, to which I must draw your attention, on account of the danger of pollution, and that is that the drains at Morgan's Farm, Blaen Rhydney, are out of order, and nothing has been done to put them right, although notices have been served on the proper persons to do so. Among the improvements carried out during the year you will notice that Princetown has, at last, been provided with a proper supply of water. The supply to the upper part of Hill Street has, also, been greatly improved, and is now satisfactory.

Dwellings.—Several of the double houses, reported upon by your Surveyor and me in 1894, are still over-crowded, and the air in the bedrooms of many is so foul, after being occupied through the night, that I have had to come downstairs to write my prescriptions when attending patients laid up in them. In Upper Cross Row two—back and front—have been thrown into one, making a comparatively healthy dwelling, but nothing has been done to the rest, and others—2 and 3, Carno Houses, and some in Rowles Square, for example—condemned at the same time as unfit for human habitation, are still occupied. As mentioned further back, six new houses, dry, well-ventilated, and fairly-drained, have been built in Hill Street, and it would be a blessing if many of the old ones in other parts of your district would also get damaged by the underground workings, necessitating the building of similar new ones in their place.

In the matter of closet accommodation I have to report that, while several new ones have been erected in different parts of the district, some of the out-lying places—Rasbrynoer, mentioned in my last annual report—are without any; and some of those at Llechryd (wooden ones) are in such a dilapidated condition as to be unfit for use, both these matters requiring your early attention.

The general drainage of the place has been improved by the construction of new main drains in several streets, and the repair and improvement of many house drains, but the sewage is still discharged

into the river, which fact has led to your receiving communications from a joint committee appointed by the Councils of Glamorganshire and Monmouthshire for the purpose of preventing the pollution of the river in that and other ways. For the same purpose, and also enquiring into its general sanitary condition, one of the Local Government Board Inspectors, Mr. Thompson, visited your district in July, and I attended the enquiry and accompanied him in the inspection. He will probably recommend a joint main sewer for the whole Valley, each district discharging its sewage into it on its way down; but, as you have practically made up your minds not to join in any such scheme, I would strongly urge that you decide upon some system suitable to your district, such as irrigation if you can get the land and the expense of preparing it be not too great, or the International, and carry it out without delay. I may point out that the cost of the drains and sewers will be the same whatever system you adopt, and that it would probably be cheaper to do the work now than later on.

The Cowsheds (there are no Dairies), Bakehouses, and Slaughter-houses, were duly visited by your Inspector last year, and, with one exception, the cowshed of Mr. Andrew Watkins, of Robertson's Row, which, by reason of its structure and surroundings, is totally unfit for the housing of milch cows, found in a fairly satisfactory condition.

The sanitary condition of the schools is, as far as I know, satisfactory, there is no serious overcrowding, and the drainage of the lower ones, complained of in my last two or three reports, has been put right.

Special Visits.—As my attention is generally called to matters requiring my interference as Medical Officer of Health when on my rounds in another capacity, the entries in the visitation book are not as numerous as they otherwise would be. The following are the most important visits made during the year:—April 29th, 47, 48, 49, 50, High Street, drains and roof, especially 47 and 48, in broken and dilapidated condition, and urgently requiring repairs. Reported at your next meeting, and steps taken to have same seen to at once. May 23rd, 1 and 2, Old Carno Houses, damp, and closet No. 2 dilapidated, and no ash and refuse receptacle—everything of the kind being thrown into the river. Not attended to until recently, when all was put right. June 5th, 21 Jenkins' Row, drain under floor, opening into room. Reported and attended to. June, Rasbrynoer Farm, repairs urgently needed—partially carried out. June 28th, 28, Forge Street, untrapped drain, cause of sickness in house. Put right. June 29th, accompanied Government Inspector round part of the district for the purpose of inspecting drains, closets, and dwellings.

In conclusion, it is my duty to remind you that, practically, nothing has been done to remedy the condition of the dwellings brought under your notice in my last annual report, nor has Rasbrynoer, (lower) been provided with closet accommodation, nor the closets at Llechryd attended to.

I am, gentlemen,

Your obedient servant,

T. HALL REDWOOD, M.D.,

Medical Officer of Health.

February 5th, 1896.

(A) Table of Deaths during 1895.

| LOCALITY.   | At all ages. |               |                |                 |                 |                |            | AGE.           |           |          |                   |               |           |          |                    | TOTAL. |
|-------------|--------------|---------------|----------------|-----------------|-----------------|----------------|------------|----------------|-----------|----------|-------------------|---------------|-----------|----------|--------------------|--------|
|             | Under 1 year | 1 and under 5 | 5 and under 15 | 15 and under 25 | 25 and under 65 | 65 and upwards | Mem. Group | Whooping Cough | Diarrhoea | Phthisis | Br., Pn., and Pl. | Heart Disease | Influenza | Injuries | All other diseases |        |
| Rhymney ... | 141          | 41 23         | 4 8            | 32 33           | Under 5         |                | 1 7        | 7 1            | 19        |          |                   | 1 28          | 64        |          |                    |        |
|             |              |               |                |                 | 5 upwards       |                |            | 1              | 7 11      | 12       | 6 5               | 35            | 77        |          |                    |        |
| TOTALS ...  | 141          | 41 23         | 4 8            | 32 33           |                 |                | 1 7        | 7 1            | 19        |          |                   | 1 28          | 64        |          |                    |        |
|             |              |               |                |                 |                 |                |            | 1              | 7 11      | 12       | 6 5               | 35            | 77        |          |                    |        |

(B) Table of Population, Births, and New Cases of Infectious Sickness.

| LOCALITY.  | Census, 1891 | Estimated to middle of 1895 | Registered Births. | AGE.      | Scarlatina | Membranous Group. | Enteric or Typhoid | Puerperal Fever | Erysipelas | Measles | Rotheln |
|------------|--------------|-----------------------------|--------------------|-----------|------------|-------------------|--------------------|-----------------|------------|---------|---------|
|            |              |                             |                    |           |            |                   |                    |                 |            |         |         |
| Rhydney, H | 7733         | 7769                        | 268                | Under 5   | 1          | 1                 |                    |                 |            | 7       | 31      |
|            |              |                             |                    | 5 upwards | 4          |                   | 3                  | 5               | 2          | 8       | 8       |
| Totals     | 7733         | 7769                        | 268                |           | 1          | 1                 |                    |                 |            | 7       | 31      |
|            |              |                             |                    |           | 4          |                   | 3                  | 5               | 2          | 8       | 8       |

[G. J. JACOBS AND CO., "GUARDIAN" OFFICE, RHYMNEY].

Notification of infectious diseases act not adopted in district.

